

ABSTRACT

A filling percentage of a central portion is larger than that of a peripheral portion at the inlet end surface of an exhaust gas of a honeycomb segment (2) constituting a ceramic filter due to additional filling (13). Thus, an amount of soot accumulated in vents (5) in the central portion of each honeycomb segment (2) is less relative to that in the peripheral portion. This decreases a quantity of heat generated by burning of soot in the central portion, and reduces temperature rise during recycling, thus limiting the maximum temperature of the ceramic filter (1).